



◆ 1. Airplane

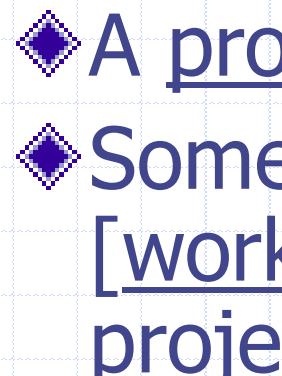
- ◆ Each airplane has a unique registration number [regNum].
- ◆ A hangar has a location [location] and a unique number [hangarNum].
- ◆ An airplane can be stored in one hangar [stored in] when needed. One hangar can store zero, or one or more than one airplane at any give time.

- ◆ An owner owns [owns] at least one airplanes. A airplane must be owned by at least one owner.
- ◆ A owner can be categorized into two types: corporation and person.
- ◆ A corporation has an address [address] and a unique name [name]. Not all corporations are owners of an airplane.
- ◆ A person has a name [name] and a unique ssn [ssn]. Not all persons are owners.



◆ 2. Faculty and project

- ◆ An employee has a name [name] and a unique ssn [ssn].
- ◆ Two types of employees: faculty with a rank [rank] and staff with a position description [position]. (There can be other types of employees) (A staff member cannot be a faculty member).

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- ◆ A project has a unique project ID [pId].
 - ◆ Some faculty members work on [works on] one or more than one project. A project must related to at least one faculty member.
 - ◆ We also need to keep track of how many hours [hours] a faculty member works on a given project.

- ◆ Some projects are sponsored by [sponsored by] one or more than one sponsors. A sponsor must support at least one project.
- ◆ A sponsor [sponsor] can be a government agency, or a company.
- ◆ A government agency has a unique agency Id [agencyId]. Not all government agencies are sponsors.
- ◆ A company has a name [name] and a unique registration id [companyId]. Not all companies are sponsors.